

Docket No: MÜCKTER-2
Appl. No: 10/601,280

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

Claims 1-3 (Cancelled)

4. (Currently amended) The blood pump of claim ~~24~~ 23, wherein a length of the pump housing is less than twice that of its diameter.
5. (Original) The blood pump of claim 4, wherein the length is less than 1.5 times the diameter of the housing.
6. (Currently amended) The blood pump of claim ~~24~~ 23, wherein a length of each of the vascular connection devices is shorter than a diameter of the pump housing.
7. (Cancelled)
8. (Currently amended) The blood pump of claim 21, wherein the webs are configured as vanes.
9. (Cancelled)
10. (Previously presented) The blood pump of claim 21, wherein the webs are configured for housing metal cables or metal pins for transmission of electric current.
11. (Currently amended) The blood pump of claim ~~24~~ 25, wherein an area bordered by the motor and the casing, is a free flow area with a ~~diameter~~ cross section which is 80% of a cross section of a free flow area at one end of the pump housing.

Docket No: MÜCKTER-2
Appl. No: 10/601, 280

12. (Currently amended) The blood pump of claim 11, wherein the diameter cross section of the free flow area is 50 % of the cross section of the free flow area at the one end of the pump housing.
13. (Currently amended) The blood pump of claim ~~24~~ 25, further comprising a second pump housing with impeller and a motor.
14. (Previously presented) The blood pump of claim 13, further comprising an adaptable connection device between the two pump housings.
15. (Previously presented) The blood pump of claim 14, wherein the impellers are configured for being driven in opposite direction to each other for impelling blood.
16. (Cancelled)
17. (Currently amended) The blood pump of claim ~~24~~ 23, wherein the housing is provided with an attachment device for attachment of the pump to tissue of a bony rib cage.
18. (Cancelled)
19. (Currently amended) A method for a tubeless vascular implant of a blood pump with an impeller according to claim ~~24~~ 23 comprising: the steps of providing a the blood pump ~~with connection devices~~, preparing vascular tissue for the implant, inserting the pump into location and connecting the pump directly to vascular tissue with a connecting ~~device~~ devices selected from the group consisting of suture rings and vascular ~~prosthesis~~ prostheses.

Docket No: MÜCKTER-2
Appl. No: 10/601, 280

20. (Currently amended) The method of claim 19, wherein the pump connection devices are sutured directly to the vascular tissue.
21. (Previously presented) A blood pump having an impeller, comprising:
- a pump housing with the impeller disposed therein,
 - a motor disposed within the housing for driving the impeller,
 - webs connected to a casing of the housing and to the motor for firmly holding the motor within the housing, wherein the housing is provided with at least two vascular connection devices for a tubeless connection of the pump to a blood vessel outside a heart.
22. (Currently amended) The blood pump of claim 21, wherein the motor is ~~an encapsulated~~ a fully enclosed motor.
23. (New) An implantable blood pump having an impeller, for a tubeless vascular connection comprising:
- two vascular connection devices disposed directly at a pump housing and constructed for a tubeless connection of the pump housing directly with a blood vessel outside a heart so as to interpose the pump in the blood vessel, wherein each of the vascular connection devices are a suture ring or a vascular prosthesis.
24. (New) The blood pump of claim 21, wherein each of the tubeless connection devices is a suture ring or a vascular prosthesis.
25. (New) The blood pump of claim 23, further comprising a motor for driving the impeller and wherein webs are provided between an outer casing of the housing and the motor.